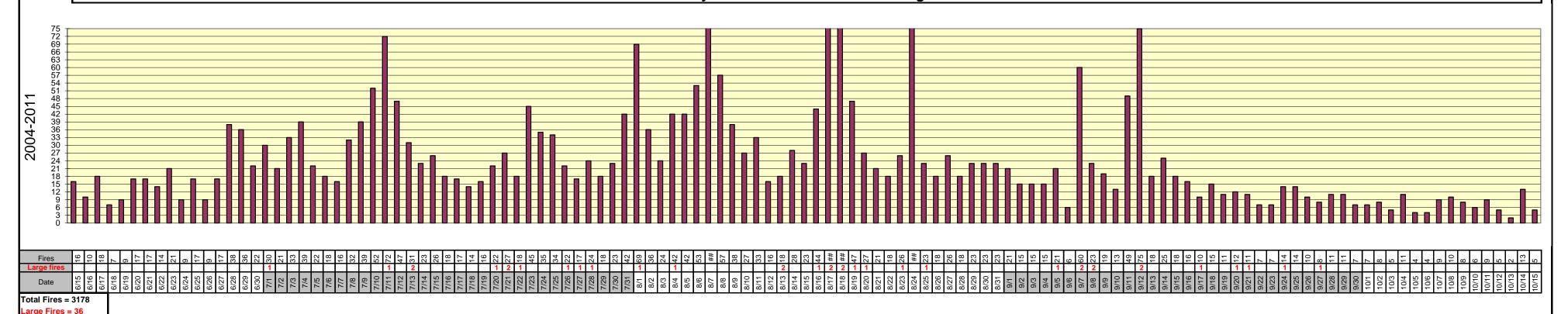
Seasonal Fire Activity Timelines for PSA NW04 - Large Fire = 100+ acres



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NW04 - Southwest Oregon

Season ending date estimates for Southwest Oregon utilized the Predictive Services 7-day Significant Fire Potential Product. Given that the product determines the probability of a significant fire occurring, based on historical dryness levels and historic fire occurrence, the analysis results assume end of season when the product observed "green" (1% probability of a significant fire event) for three or more consecutive days, and where periods of green were never separated by more than a single yellow and or brown day (6 to 15% probability of a significant event).

Large fire definition per NWCC predictive services for PSA NW02 is 100 acres or more. The earliest large fire occurred July 1, 2007 and the latest large fire occurred September 27, 2007.

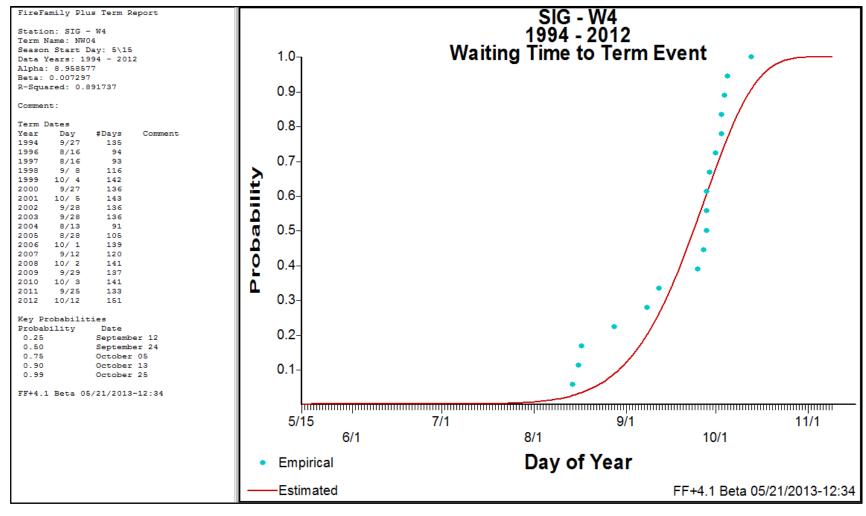
A TERM file was generated using FireFamily Plus v. 4.1. The season was set May 15 to October 15 for the years 1994-2012 using the same rationale as above produced these results:

25% of the seasons end on or before September 12

50% of the seasons end on or before September 24 75% of the seasons end on or before October 5

90% of the seasons end on or before October 13

99% of the seasons end on or before October 25



PSA NW04 (W4)

This area represents southwest Oregon. Average PSA fuel moistures are determined by the average of the Key RAWS in the zone.

Key RAWS: Pebble, Emigrant, Zim, Buckhorn Springs, Evans Creek, Provolt, Calvert Peak, Quail Prairie, Red Mound

Each RAWS receives equal weighting for NFDRS Index calculations. Used to determine the DL: 100-HR FM

"Large Fire Day" = A day with an occurrence of at least one 100+ acre fire

"F100 threshold values used for DL determination Based on June-September data (2000-2011)

				Conditional
		% of all fire	% of all large fire	Probability of a
DL	F100 Threshold	season days	days	large fire
Green (moist)	≥ 12	57%	11%	1%
Yellow (dry)	10 – 11	38%	64%	6%
Brown (very dry)	≤ 9	5%	24%	15%

* Conditional Probability: Assumes at least 1 ignition

Specifics for PSA NW04

Burn Environment

NWCC's assumption is that large fires result as a consequence of a "critical" burn environment whereas, dry fuels, wind and instability and/or mass ignitions that overwhelm IA capability come into alignment. A large fire for NW04 is 100 acres (5% of the fires meet this criteria).

Statistically, the best fire danger indice that has has a good delineation of the various dryness levels is 100 hr fuel moisture. (See table for threshold and probabilities).

The burn environment alone (independent of mass ignition event) where fuels, wind and or instability reach critical values only occurs ~2% fo the time. However, ERC value alone is a poor indicator of "large" vs. "small" fire days.